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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of: Bultan et al. **Application No.:** Not Yet Known **Filed:** Not Yet Known For: CODE TRACKING LOOP WITH AUTOMATIC POWER NORMALIZATION Group: Not Yet Known Examiner: Not Yet Known	Our File: I-2-0226.3US Date: October 14, 2003

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form.

This application is a continuation of Application No. 10/252,640, filed on September 23, 2002; which is a continuation of 10/034,867, filed on December 27, 2001, which issued on September 24, 2002 as U.S. Patent No. 6,456,648.

Pursuant to 37 C.F.R. §1.98(d) copies of documents cited in the parent application are not enclosed, but copies will be provided upon request. These documents are identified on the PTO-1449 form by an asterisk (*). Copies of all other cited documents are enclosed.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Bultan et al.

By _____
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Enclosure

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0226.3US	SERIAL NO. Not Yet Known
	APPLICANT Bultan et al.	
	FILING DATE Not Yet Known	GROUP Not Yet Known

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	*AA	5 7 3 7 3 6 2	04/1998	Hyun et al.			
	*AB	5 7 6 8 3 2 3	06/1998	Kroeger et al.			
	*AC	5 8 3 2 0 2 3	11/1998	Latva-aho, Matti			
	*AD	6 2 0 1 8 2 8	03/2001	El-Tarhuni et al.			
	*AE	6 2 0 5 1 6 7	03/2001	Kamgar et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	*AF	Floyd M. Gardner, Interpolation in Digital Modems-Part I; Fundamentals IEEE, Transactions on Communications, Vol. 41, No. 3, Pages 501-507, March 1993.
	*AG	Gardner et al., Interpolation in Digital Modems-Part II: Implementation and Performance, IEEE Transactions on Communications, Vol. 41, No. 6, Pages 998-1008, June 1993.
	*AH	Lim et al., Analysis of Decimator-Based Full Digital Delay-Locked PN Code Tracking Loops for Bandlimited Direct-Sequence Spread-Spectrum Signals in AWGN, IEICE Transactions on Communications, Vol. E00-A, No. 1, January 1998.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	*AI	3 GPP TSG RAN, UE Radio Transmission and Reception (FDD), 3G TS 25.101, V3.2.0, March 2000.
	*AJ	Latva-aho et al., Quasi-Coherent Delay-Locked Loops for Fading Channels.
	*AK	Jack K. Holmes, Coherent Spread Spectrum Systems, John Wiley and Sons Inc., Pages 475-481 and pages 80-81, New York, 1982.
	*AL	Su et al., Performance of Combined DDLL and AGC Loop for Direct-Sequence Spread Systems, IEEE Transactions on Communications, Vol. 48, No. 9, Pages 1455-1458, September 2000.

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